

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev						
COST (In Thousands)		FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost		6127	6399	11419	9443	9166	8792	7894	Continuing	Continuing
526	MARINE ORIEN LOG EQ AD	2213	1995	1793	3822	3899	4080	3283	Continuing	Continuing
G10	ADV TAC PWR SOURCES AD	212	3	0	0	0	0	0	0	3649
G11	ADV ELEC ENERGY CON AD	700	996	1560	1541	1549	1600	1507	Continuing	Continuing
G14	MATERIALS HANDLING EQUIPMENT - AD	182	198	195	195	195	200	200	0	1577
K39	ENVIRONMENTAL EQUIPMENT - AD	668	903	0	0	0	0	0	0	13326
K41	WATER AND PETROLEUM DISTRIBUTION - AD	2152	2304	7871	3885	3523	2912	2904	0	27314
<p><u>A. Mission Description and Budget Item Justification:</u>This program supports demonstration and validation of new and improved technologies for combat support and combat service support equipment essential to sustaining combat operations. Advancements in watercraft, bridging, electric power generators and batteries, potable water, environmental control and petroleum equipment are necessary to improve safety and increase the tactical mobility, operational capability, lethality and survivability on the digital battlefield of the first to fight; and to provide for greater sustainment of all combat forces while reducing the logistics support burden.</p> <p>These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).</p>										

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)**February 2002**

BUDGET ACTIVITY

4 - Demonstration/validation

PE NUMBER AND TITLE

0603804A - Logistics and Engineer Equipment - Adv Dev**B. Program Change Summary**

	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2002 PB)	6260	7456	8300
Appropriated Value	6317	6456	0
Adjustments to Appropriated Value	0	0	0
a. Congressional General Reductions	0	-57	0
b. SBIR / STTR	-173	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0
d. Below Threshold Reprogramming	40	0	0
e. Rescissions	-57	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	3119
Current Budget Submit (FY 2003 PB)	6127	6399	11419

Explanation of changes:

FY03: Increase supports numerous petroleum and water systems associated with the Army Transformation.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2002					
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev				PROJECT 526				
COST (In Thousands)				FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
526	MARINE ORIEN LOG EQ AD			2213	1995	1793	3822	3899	4080	3283	Continuing	Continuing
<p><u>A. Mission Description and Budget Item Justification:</u> Provides funds for the demonstration and validation of equipment in support of the Army's Logistics-Over-The-Shore (LOTS), In-theatre Port Control, and Intercoastal/Riverine Logistics missions. These efforts will significantly improve operational capability and flexibility. Project funds serve to support development of the Rapidly Installed Breakwater (RIB). This project will assist the Army to conduct LOTS exercises under adverse sea state conditions. Together, these efforts will extend capabilities of the joint Army/Navy LOTS program, and allow the Army to proceed with deployment of forces under less than ideal sea and weather conditions. The Theater Support Vessel (TSV) will operate at much greater speeds than current Army Watercraft, thus greatly improving the speed of Army combat mobilization in theatre.</p> <p>These systems support the Legacy-to-objective transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2001 Accomplishments:</u></p> <ul style="list-style-type: none"> • 600 Continued Rapidly Installed Breakwater (RIB) delivery system design. • 1203 Conducted Theater Support Vessel (TSV) market survey and awarded TSV lease/test contract. • 410 Developed Landing Craft Utility, Parameters and Performance Characteristics for ESP/Upgrade. <p>Total 2213</p> <p><u>FY 2002 Planned Program</u></p> <ul style="list-style-type: none"> • 1995 Obtain Theater Support Vessel (TSV) Decision Review (pre Milestone B), develop TEMP, and verify TSV performance requirements. <p>Total 1995</p>												

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2002					
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev				PROJECT 526				
<p><u>FY 2003 Planned Program</u></p> <ul style="list-style-type: none"> • 1793 Continue development of programmatic documentation for TSV. <p>Total 1793</p>												
<u>B. Other Program Funding Summary</u>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Compl</u>	<u>Total Cost</u>
RDTE, 0604804A, 461, Marine Oriented Logistics, Engineering				1398	6182	38780	10326	6831	3436	3028	Continuing	Continuing
OPA 3, R97500, Causeway Systems				26647	0	29673	0	0	0	0	0	62989
OPA 3, M11200, Logistic Support Vessel (LSV)				0	25260	0	0	0	0	0	0	47774
OPA 3, M11203, Theatre Support Vessel(TSV)				0	0	0	0	0	84043	79393	Continuing	Continuing
<p><u>C. Acquisition Strategy:</u> TSV efforts will be conducted primarily with the Naval Surface Warfare Center (NSWC). NSWC can call on both in-house and contract resources (based on workload and expertise) to cover Army requirements.</p>												
<u>D. Schedule Profile</u>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
Conceptual Development of the RIBS.				2-3Q								
Theatre Support Vessel Concept Development				2-3Q	2-3Q	2-4Q						
LCU Parameters and Performance Characteristics				2-4Q								

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT 526		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . RIB Engineering Support	MIPR	Waterways Experiment Station (WES), Vicksburg, MS	445	0		0		0		0	445	0
b . TSV and LCU Engineering	MIPR	Navy (NSWC) Suffolk, VA	250	1008	2-3Q	460	2-3Q	836	2-3Q	Continue	Continue	Continue
c . RIB Transporter	MIPR	TARDEC, Warren, MI	300	0		0		0		0	300	0
d . TSV VOLPE	MIPR	VOLPE US Dept of Transportation, Cambridge, MA	0	0		50	2-3Q	50	2-3Q	Continue	Continue	Continue
e . RIB Engineering Management	MIPR	Corps of Engineers (ERDC) Vicksburg, MS	120	325	2Q	0		0		0	445	0
f . RTACTCS	N/A	CECOM (Reprogrammed by DA)	1954	0		0		0		0	1954	0
Subtotal:			3069	1333		510		886		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT 526		
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . TSV	MIPR	TACOM CBU, Warren, MI	14	5	1-2Q	19	2-3Q	78	2-3Q	Continue	Continue	Continue
b . TSV	MIPR	CASCOM, Ft. Lee, VA	14	45	2-3Q	25	2-3Q	43	2-3Q	Continue	Continue	Continue
c . TSV	MIPR	TARDEC, Warren, MI/ICI	170	0		100	2-3Q	100	2-3Q	Continue	Continue	Continue
d . TSV	MIPR	PM Force Projection, Warren, MI	192	0		0		0		Continue	Continue	Continue
Subtotal:			390	50		144		221		Continue	Continue	Continue
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . TSV	MIPR	DTC/ATC, MD	101	320	2-3Q	200	2-3Q	176	2-3Q	Continue	Continue	Continue
b . TSV	MIPR	USATCFE, Ft. Eustis, VA	0	0	2-3Q	541	2-3Q	0		Continue	Continue	Continue
Subtotal:			101	320		741		176		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT 526		
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . TSV	MIPR	PM TSV/TARDEC, TACOM, Warren, MI	0	510	2-3Q	600	2-3Q	510	2-3Q	Continue	Continue	Continue
b . SBIR/STTR			118	0		0		0		0	118	0
Subtotal:			118	510		600		510		Continue	Continue	Continue
Project Total Cost:			3678	2213		1995		1793		Continue	Continue	Continue

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2002					
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT G11			
COST (In Thousands)				FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
G11	ADV ELEC ENERGY CON AD			700	996	1560	1541	1549	1600	1507	Continuing	Continuing
<p><u>A. Mission Description and Budget Item Justification:</u>The Mobile Electric Power (MEP) program was established by Department of the Defense to develop a Modernized, Standard Family of Mobile Electric Power Sources for All Services throughout the Department of Defense. This project provides concept and technology development for electrical energy devices and components that will improve the performance, mobility, readiness and survivability of the next generation power sources in support of the Army Transformation. It supports initiatives that are essential to the development and eventual fielding of modernized mobile electric power sources from 0.5 kW to 920 kW that will comply with Federally mandated environmental statutes and provide lower noise, improved fuel and electrical efficiency, significantly reduced weight, enhanced portability, improved reliability and maintainability and reduced operational and support costs.</p> <p>This system supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2001 Accomplishments:</u></p> <ul style="list-style-type: none">575 Completed Advanced Medium Mobile Power Sources (AMMPS) component advanced development. (Quantity 4)125 Began test and evaluation of AMMPS prototype components. <p>Total 700</p> <p><u>FY 2002 Planned Program</u></p> <ul style="list-style-type: none">996 Complete testing of AMMPS prototype components. <p>Total 996</p>												

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2002					
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev				PROJECT G11				
<u>FY 2003 Planned Program</u> <ul style="list-style-type: none"> • 1560 Initiate Man Portable Power (MPP) Program <p>Total 1560</p>												
<u>B. Other Program Funding Summary</u>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>To Compl</u>	<u>Total Cost</u>
RDT&E:PE0604804A, 194 Engine Driven Generators				4939	4966	5590	3228	3118	5574	4049	Continuing	Continuing
OPA 3, MA9800 Generators and Associated Equipment				91040	61835	79180	64895	64823	60869	56667	Continuing	Continuing
<u>C. Acquisition Strategy:</u> Complete advanced development and transition to engineering development and production.												
<u>D. Schedule Profile</u>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>		
Complete system AMMPS advanced component prototypes				4Q								
Begin test & evaluation of AMMPS component prototypes				4Q								
Complete testing system AMMPS components prototypes					4Q							
AMMPS MS B						1Q						
Initiate Man Portable Power (MPP) Program for 2-5kW						1Q						
Procure commercial component and fabricate sub-assemblies from MPP Program							1Q					
Initiate MPP test program on military systems (2-5kW)								1Q				
Transition MPP Program to Engineering Development									1Q			
Initiate Large Advanced Mobile Power Sources (LAMPS) Program									2Q			
Initiate testing of LAMPS components											1Q	

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT G11		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Generator design and fabricate components	MIPR	CECOM-Belvoir	859	0		24	1Q	0		0	883	0
b . Generator prototypes	MIPR	CECOM-Belvoir	35	106	1Q	192	1Q	0		0	333	0
c . MPP Components	TBD	TBD	0	0		0		860	1Q	Continue	Continue	Continue
Subtotal:			894	106		216		860		Continue	Continue	Continue
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Generator components	In-house	CECOM In-house	250	70	1Q	0		0		0	320	0
b . Prototypes	In-house	CECOM In-house	26	324		380	1Q	0		0	730	0
c . MPP Components	MIPR	CECOM-Belvoir	0	0		0		400	1Q	Continue	Continue	Continue
Subtotal:			276	394		380		400		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT G11		
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Prototypes	MIPR	CECOM-Belvoir	0	100	1Q	250	1Q	0		0	350	0
b . MPP Components	TBD	TBD	0	0		0		150		Continue	Continue	Continue
Subtotal:			0	100		250		150		Continue	Continue	Continue
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Prototypes	In-house	CECOM In-house	0	100	1Q	150	1Q	0		0	250	0
b . MPP Components	In-house	CECOM In-house	0	0		0		150	1Q	Continue	Continue	Continue
Subtotal:			0	100		150		150		Continue	Continue	Continue
Project Total Cost:			1170	700		996		1560		Continue	Continue	Continue

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)							February 2002					
BUDGET ACTIVITY 4 - Demonstration/validation				PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41			
COST (In Thousands)				FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
K41	WATER AND PETROLEUM DISTRIBUTION - AD			2152	2304	7871	3885	3523	2912	2904	0	27314
<p><u>A. Mission Description and Budget Item Justification:</u> Develop and demonstrate the potential of prototype equipment and technologies to satisfy petroleum and water distribution system requirements. These research and development efforts support the development and enhancement of rapidly deployed Petroleum and Water equipment. This equipment enables the Army to achieve its transformation vision by providing it with the means to be highly mobile and self sustaining in very hostile theatres of operations.</p> <p>These systems support the Legacy-to-Objective transition path of the Transformation Campaign Plan (TCP).</p> <p><u>FY 2001 Accomplishments:</u></p> <ul style="list-style-type: none">800 Completed Lightweight Water Purifier (LWP) Testing.100 Initiated LWP IPR package and production contract RFP.475 Awarded LWP final contract increment.100 Prepared Reverse Osmosis (RO) Element Life Extension Report.152 Initiated Reverse Osmosis cyanide removal evaluation.500 Investigated pre-planned product improvements (P3I) for petroleum storage and distribution systems.25 Continued Program Management Support. <p>Total 2152</p>												

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)		February 2002
BUDGET ACTIVITY 4 - Demonstration/validation	PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev	PROJECT K41
<p><u>FY 2002 Planned Program</u></p> <ul style="list-style-type: none"> • 345 Develop technical requirements and initiate design of advanced petroleum test kits. • 269 Complete preparation of LWP IPR package and production contract RFP. • 175 Award LWP optimization contract. • 200 Conduct evaluation of LWP improvements. • 100 Conduct market survey for the Versatile Tank and Pump Unit (VTPU). • 70 Program management support. • 500 Continue evaluation of P3I for petroleum storage and distribution systems. • 425 Complete reverse osmosis cyanide and Nuclear, Biological, and Chemical (NBC) agent removal evaluation. • 220 Reverse osmosis contaminate removal testing. <p>Total 2304</p> <p><u>FY 2003 Planned Program</u></p> <ul style="list-style-type: none"> • 764 (P3I) Evaluate commercially available water purification components. • 700 Conduct LWP Operational Test (OT). • 700 Continue development of advanced petroleum test kit and initiate performance testing. • 700 Develop, test, and evaluate VTPU engineering development models. • 100 Program management support. • 3657 Rapidly Installed Fuel Transfer System (RIFTS) demonstration and validation effort. • 400 Investigate advance materials for RIFTS. • 350 Develop technical requirements for an enhanced water quality analysis set. • 500 Develop technical requirements for the 4500 Gallons Per Hour (GPH) Water Purification Unit (WPU). <p>Total 7871</p>		

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)

February 2002

BUDGET ACTIVITY

4 - Demonstration/validation

PE NUMBER AND TITLE

0603804A - Logistics and Engineer Equipment - Adv
Dev

PROJECT

K41

B. Other Program Funding Summary

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Compl	Total Cost
RDTE, 0604804.L41, Fuels and Equipment Engineering Development	6058	3730	9763	4654	4079	5510	5497	Continuing	Continuing
OPA 3, R05600, Water Purification Systems	30383	39016	18204	21912	20151	0	0	Continuing	Continuing
OPA 3, MB6400, Quality Surveillance Equipment	2876	7641	7522	5326	4785	5208	4989	Continuing	Continuing
OPA 3, R38000, Versatile Tank and Pu mp Unit	0	0	0	1206	1729	4001	7497	Continuing	Continuing

C. Acquisition Strategy: Develop engineering prototypes or select Non-Developmental Item based on market surveys and proposals from industry.

D. Schedule Profile

	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Evaluate P3I's to petroleum storage and distribution systems.	2-4Q						
LWP Production Quality Testing (PQT).	2-4Q						
Conduct LWP Milestone C Low Rate Initial Production (LRIP) Decision.		2Q					
RO Element & Life Extension Report.	4Q						
Cyanide removal testing.	3-4Q	2-4Q					
Develop Advanced Petroleum Test Kit		1-4Q	1-4Q				
Complete LWP Initial Operation Test and Evaluation (IOT&E).			3Q				
Evaluate Water Purification Components.			1-4Q				
Market Survey for VTPU.		1Q					
Award contract for VTPU.			2Q				
Continue evaluation of P3I for petroleum storage and distribution systems and RIFTS.		1-2Q	1-2Q				
Investigate advance materials for RIFTS.			1-4Q				
Complete test and evaluation of VTPU.			2Q				

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2A Exhibit)						February 2002	
BUDGET ACTIVITY 4 - Demonstration/validation			PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev			PROJECT K41	
<u>D. Schedule Profile (continued)</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
Continue RIFTS development effort.			1-4Q				
Perform market survey on commercial water quality analysis equipment.			2-4Q				
Perform market survey on commercial water purifiers in support of the 4500 GPH WPU.			1-3Q				
Perform analysis of alternatives on individual water purifiers		2-4Q					

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . PQSL	In-House	TARDEC, Warren, MI	69	0		0		0		0	69	0
b . Tactical Fuel Automation System (TFAS)	CPFF	MECO, New Orleans, LA	800	0		0		0		0	800	0
c . LWP	CPFF	MECO, New Orleans, LA	2190	475	3Q	175	2Q	0		0	2840	0
d . LWP	In-House	TARDEC, Warren, MI	0	100	1Q	100	1Q	0		0	200	0
e . Water Treatment Components	Purchase Orders	TBD	0	0		150	2Q	150	2Q	Continue	Continue	Continue
f . Advanced Petroleum Test Kit	In-House	TARDEC, Warren, MI	0	0		195	1Q	150	1Q	Continue	Continue	Continue
g . Advanced Petroleum Test Kit	CPFF	TBD	0	0		100	2Q	270	2Q	Continue	Continue	Continue
h . VTPU	In-House	TARDEC, Warren, MI	0	0		100	1Q	100	1Q	Continue	Continue	Continue
i . VTPU	CPFF	TBD	0	0		0		300	2Q	Continue	Continue	Continue
j . Petroleum Storage & Distribution & RIFTS (P3I)	In House	TARDEC, Warren, MI	0	328	2Q	350	2Q	0		0	678	0
k . RIFTS (P3I)	MIPR	ARL, APG, MD	0	0		0		350	2Q	Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41		
I. Product Development (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
l . RIFTS	CPFF	TBD	0	0		0		3157	2Q	Continue	Continue	Continue
m . Enhanced Water Quality Analysis Set	In-House	TARDEC, Warren, MI	0	0		0		175	2-4Q	Continue	Continue	Continue
n . 4500 GPH WPU	In-House	TARDEC, Warren, MI	0	0		0		250	2-4Q	Continue	Continue	Continue
Subtotal:			3059	903		1170		4902		Continue	Continue	Continue
II. Support Cost	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Water Purification Components (P3I)	In-House	TARDEC, Warren, MI	0	100	2Q	0		100	1Q	Continue	Continue	Continue
b . Advanced petroleum test kit	In-House	TACOM, Warren, MI	0	0		25	1Q	40	1Q	Continue	Continue	Continue
c . Petroleum storage and distribution (P3I)	In-House	TARDEC, Warren, MI	0	172	1Q	150	1Q	0		0	322	0
d . RIFTS	In-House	TARDEC, Warren, MI	0	0		0		300	1Q	Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41		
II. Support Cost (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
			0	272		175		440		Continue	Continue	Continue
Subtotal:												
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Fabric tank materials	MIPR	ARL, Aberdeen PG, MD	77	0		0		0		0	77	0
b . LWP	MIPR	ATEC, Aberdeen PG, MD	0	483	2Q	30	1Q	0		0	513	0
c . LWP	In-House	TARDEC, Warren, MI	0	285	2Q	184	2Q	0		0	469	0
d . LWP	MIPR	NFESC, Port Huaneme, CA	0	32	2Q	125	1Q	0		0	157	0
e . Water Treatment components (P3I)	In-House	TARDEC, warren, MI	0	152	2Q	170	2Q	114	1Q	Continue	Continue	Continue
f . Water Treatment components (P3I)	MIPR	ATEC, Aberdeen PG, MD	0	0		0		200	2Q	Continue	Continue	Continue
g . Water Treatment components (P3I)	MIPR	DPG, Dugway, UT	0	0		230	2Q	0		0	230	0
h . Water Treatment components (P3I)	MIPR	NFESC, Port Huaneme, CA	0	0		95	2Q	200	2Q	Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41		
III. Test and Evaluation (continued)	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
i . Advanced petroleum test kit	MIPR	ATEC, Aberdeen PG, MD	0	0		0		200	2Q	Continue	Continue	Continue
j . VTPU	MIPR	ATEC, Aberdeen PG, MD	0	0		0		300	2Q	Continue	Continue	Continue
k . LWP	MIPR	TEXCOM, Ft Hood, TX	0	0		30	2Q	700	2Q	Continue	Continue	Continue
l . Enhanced Water Quality Analysis Set	In-House	TARDEC, Warren, MI	0	0		0		175	2-4Q	Continue	Continue	Continue
m . 4500 GPH WPU	In-House	TARDEC, Warren, MI	0	0		0		250	2-4Q	Continue	Continue	Continue
Subtotal:			77	952		864		2139		Continue	Continue	Continue

ARMY RDT&E COST ANALYSIS(R-3)									February 2002			
BUDGET ACTIVITY 4 - Demonstration/validation					PE NUMBER AND TITLE 0603804A - Logistics and Engineer Equipment - Adv Dev					PROJECT K41		
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2001 Cost	FY 2001 Award Date	FY 2002 Cost	FY 2002 Award Date	FY 2003 Cost	FY 2003 Award Date	Cost To Complete	Total Cost	Target Value of Contract
a . Fabric tank materials	In-House	TACOM, Warren, MI	23	0		0		0		0	23	0
b . Advanced Petroleum Test Kit	InHouse	TACOM, Warren, MI	0	0		25	1Q	40	1Q	Continue	Continue	Continue
c . Program Management Support	InHouse	TACOM, Warren, MI	101	25	2Q	70	1Q	100	1Q	Continue	Continue	Continue
d . RIFTS	In-House	TARDEC, Warren, MI	0	0		0		200	1Q	Continue	Continue	Continue
e . RIFTS (P3I)	In-House	TARDEC, Warren, MI	0	0		0		50	1Q	Continue	Continue	Continue
Subtotal:			124	25		95		390		Continue	Continue	Continue
Project Total Cost:			3260	2152		2304		7871		Continue	Continue	Continue